How to Approach Unit 9 Assignment 2 – Part B

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How your Assignments are assessed.

Each assignment is made up of Tasks.

You have Pass Tasks, Merit Tasks and Distinction Tasks.

You must complete **ALL** pass tasks to achieve a **Pass**.

You must complete **ALL** merit tasks to achieve a **Merit**.

You must complete **ALL** distinction tasks to achieve a **Distinction**.

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How your Assignments are assessed.

If you do not complete all PASS tasks, you have **NOT PASSED** the Assignment.

If you complete all PASS tasks, but do not complete all MERIT tasks you have **PASSED** the assignment.

If you complete **most** PASS tasks, and **all** MERIT and **all** DISTINCTION tasks, you have **NOT PASSED** the unit.

You will get a single resubmission attempt to improve your mark.

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What is this unit about - 1

This unit is all about project management

In the course of your BTEC you will be carrying out a range of practical units

This will depend on your qualification and the choices made by your school

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What is this unit about - 2

- Practical units include:
- Unit 3 - Social Media in Business
- Unit 4 - Programming
- Unit 5 - Data Modelling
- Unit 6 - Website Development
- Unit 8 - Games Design

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What is this unit about - 3

All units follow the same broad idea

In learning aim A you will talk about the theory of something

Learning aim B you will design something

Learning aim C you will build, test and review something

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What is this unit about - 4

- The idea of Unit 9 Assignment 2 is that you will project manage an actual project
- It could be a real project – one of the other units in your BTEC
- It could be a ‘ghost’ project – one that is made up for you
- It is just better that you project manage your own project
- The problem is that you then become the stakeholder, project manager, developer and tester!

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What is this unit about - 5

- Before you panic:
- A lot of the documentation that you have to produce in your other assignments..
- Is required for this unit as well
- So you can reuse your evidence!
- **This is a good thing!**

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You will need to be organised

- To achieve a distinction in this unit you need to prove
- That you have applied project management processes effectively
- You will need to show for example
- That you have identified all tasks at the start of a project
- That you have evidence of problem solving
- That you have applied appropriate professional behaviour

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All this comes from your evidence

- Any email communication will need to be dated
- Emails will also need to be formal and professional
- You will need to prove the start and end dates of your project
- Your timelines will need to make sense
- You will need the dates that you created your management documents
- You will need the dates your documents were updated

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You will need to identify a methodology

- This is entirely your decision
- You could use the waterfall methodology
- This is challenging and is not used any more
- You could use PRINCE2 but then you need all the documentation
- You do not have time for that

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You will need to identify a methodology

It is recommended that you should implement either Agile or RAD

This unit will assume you are using Agile.

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You will need to identify alternative solutions

- For the project you are going to manage
- You will need to identify an alternate solution
- You will need to then justify why your solution is better
- This is not about providing different designs to a website
- This would be about providing an alternative solution to a website

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You will need to identify alternative solutions

- The alternate solution has to be realistic
- The alternate solution should ideally be another of your BTEC Units
- Preferably a unit you have already completed
- Because then you can modify existing design evidence from that unit

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Possible alternate solutions - 1

Project Solution	Alternate Solution	Is It Realistic?
Spreadsheet	Program	Yes
Program	Spreadsheet	Yes
Website	Social Media Platform	Depends on the content of the website
Social Media Platform	Website	Yes
Animation	2D / 3D Graphic	Yes

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Possible alternate solutions

Project Solution	Alternate Solution	Is It Realistic?
2D Graphic	Animation	yes
Game	Program	Depends on the game
Website	Spreadsheet	Yes
Program	Website	Yes
Mobile App	Website	Yes
Website	Mobile App	Yes

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B.P3 Research the IT Problem - 1

Your teacher will give you the IT problem you need to manage

This will ideally be based on one of your other units

It will use the scenario given in the Authorised Assignment Brief

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B.P3 Research the IT problem

You will use a range of tools to research the problem

The internet

Books

Other company information that is publicly available

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B.P3 Using Creativity Tools

- You will break down the problem using
- Drawing
- Mind maps
- Working backwards
- Using de Bono’s Six Thinking Hats

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B.P3 Using Creativity Tools – The 6 Hats

While wearing this hat..	You can only think of..
White Hat	What data or information is available to you
Red Hat	Can you spot any problems in creating the solution?
Black Hat	Can you see any negative outcomes? Why might your solution **NOT WORK IN THE END!**
Yellow Hat	What are the benefits of this solution
Green Hat	How are you going to creatively solve the problem
Blue Hat	This is where you control the project and you might get people to put different hats back on.

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B.P3 Specify Solutions 1 & 2

You need to include:

Graphic solutions – anything that you have produced in Learning Aim B for the other unit

Diagrams, storyboards, mood boards etc

You might need to create these for your alternate solution

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B.P3 Specify Solutions 1 & 2

- Outline the required processes
- You might need flow charts or pseudocode
- Any identification of high level functions
- anything that you have produced in Learning Aim B for the other unit
- You might need to create these for your alternate solution

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B.P3 Specify Solutions 1 & 2

You will need to outline initial costs

Any hardware or software

Any personnel costs

THIS IS NEW – you will need to create this for both solutions

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B.P3 Specify Solutions 1 & 2

- You will need to identify any initial technical information
- Such as performance agreements
- **YOU MAY HAVE COVERED THIS IN ANOTHER UNIT**
- It is best to create this again to be on the safe side.

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B.M2 Assess The Solutions

- You will need to list the strengths of both solutions
- You will need to list the weaknesses of both solutions
- This will include all the documents in your specification
- you need to consider the requirements of the project

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BC.D2 Evaluate the solutions

- You must look at the strengths and weaknesses of each solution
- You must decide which is better a solution for your client
- Which is a better solution for your project
- You must explain why, with reason.
- The evaluation must be detailed
- Both solutions need to be REALISTIC!

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B.P4 Feasibility Study for solutions 1 & 2

You will need to create a feasibility study for **both solutions**

This document does not exist elsewhere

However you will need the documents created in B.P3 to answer this

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B.P4 Feasibility Study for solutions 1 & 2

Criteria
Technical Assessment
Economic Assessment
Legal Assessment
Operational Assessment
Scheduling Assessment
Sustainability Assessment
Security Assessment
Usability Assessment

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B.M2 Assess The Feasibility Studies

- Look at the feasibility study
- Review the strengths and weaknesses
- This will include all of the sections in the study
- You do not need to come up with a solution at this stage

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BC.D2 Evaluate The Feasibility Studies

- You must look at the strengths and weaknesses of each feasibility study
- You must decide which is better a solution for your client
- Which is a better solution for your project
- You must explain why, with reason.
- The evaluation must be detailed
- Both solutions need to be REALISTIC!

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B.P4 Select the Preferred solution

For B.P4 you will need to select a preferred solution.

You do not have to say why this is your preferred solution

You simply have to identify which solution you are choosing.

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B.M2 Recommend the Preferred Solution

- For B.M2 you will need to recommend the preferred solution
- You will need to identify the strengths of the preferred solution
- You will need to say why you are choosing it
- You will need to show how it meets the client requirements

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BC.D2 Justify the Preferred Solution

For B.D2 you will need to JUSTIFY you preferred solution

You will have needed to identify the strengths and limitations of BOTH solutions

You will need to come up with a reason why the solution is the preferred one.

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B.P4 Requirements

- Once you have completed your feasibility study
- You need to put together the requirements of the project
- For the preferred solution you are going to project manage
- Some of this documentation you will already have.

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B.P4 Requirements

The project introduction needs a new document

The overall description needs a new document

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B.P4 Requirements

- You need to create a formal Requirements specification.
- The designs should already exist.
- The required functionality should already exist.
- Constraints - you should already have design, time and scope constraints.
- You will need to add budget constraints.

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B.P4 Requirements

✓ The success criteria is your test plan

₽ You should already have this.

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